

AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1. (currently amended) A truck mounted rotating broom system comprising:
a rotating broom mounting and control assembly operable to have a rotating broom mounted thereto;
a support structure mountable to a truck; and
a non-rigid, non-load bearing connection there between.
2. (original) The truck mounted rotating broom system as defined in claim 1 wherein said support structure includes:
a substantially stationary gooseneck assembly; and
a swinging trunnion assembly rotatably connected to said substantially stationary gooseneck assembly.
3. (currently amended) The truck mounted rotating broom system as defined in claim 1 wherein said non-rigid connection includes a floating beam and a four bar linkage connection between said support structure and said rotating broom mounting and control assembly.
4. (currently amended) A truck mounted rotating broom system comprising:
a support structure including:
a substantially stationary gooseneck assembly constructed and arranged to mount to the front of the truck; and
a swinging trunnion assembly constructed and arranged for rotatable connection to said substantially stationary gooseneck assembly;

means for controlling the position of said swinging trunnion assembly with respect to said gooseneck assembly;

a non-load bearing connection including a floating beam assembly connected to the swinging trunnion assembly; and

a broom positioning, supporting, and rotating assembly connected to said floating beam assembly and operable to have a rotating broom mounted thereto.

5. (previously presented) The system as defined in claim 4 wherein said non-load bearing connection includes a multiple link attachment mechanism.

6. (currently amended/withdrawn) The mounting assembly as defined in claim 1 wherein said rotating broom mounting and control assembly includes:

a substantially horizontal beam including a left portion, a right portion, and a central portion;

a first caster assembly constructed and arranged for mounting to said left portion of said substantially horizontal beam;

a second caster assembly constructed and arranged for mounting to said right portion of said substantially horizontal beam;

a first pivot arm assembly connected to ~~the~~ a left end of said substantially horizontal beam;

a second pivot arm assembly connected to ~~the~~ a right end of said substantially horizontal beam;

means for mounting said non-rigid connection to said substantially horizontal beam; and

means for providing rotational power to ~~the~~ a rotating broom mounted between and to the first and second pivot arm assemblies.

7. (canceled)

8. (currently amended) The system as defined in claim 1 wherein the rotating broom mounting and control assembly comprises a pair of caster wheel assemblies

symmetrically positioned about the non-rigid connection to support the weight of the rotating broom ~~and~~ mounting and control assembly.

9. (currently amended) The system as defined in claim 1 wherein the point of rotation of ~~the a~~ rotating broom mounted to the rotating broom mounting and control assembly is located on the centerline of a chassis of a truck to which the rotating broom system is mounted.

10. (previously presented) The system as defined in claim 1 wherein the support structure allows center point sweeping to the left or right of a truck to which the rotating broom system is mounted.

11. (previously presented) The system as defined in claim 1 wherein the support structure provides center point oscillation of the rotating broom mounting and control assembly.

12. (previously presented) The system as defined in claim 4 wherein the means for controlling the position of said swinging trunnion assembly comprises a steering yoke, a mounting bracket and a pair of steering cylinders connected there between.

13. (previously presented) The system as defined in claim 4 wherein the gooseneck assembly allows center point sweeping to the left or right of a truck to which the rotating broom system is mounted.

14. (currently amended) The system as defined in claim 4 wherein the swinging trunnion assembly provides center point oscillation of the ~~rotating broom mounting positioning, supporting, and control~~ rotating assembly.

15. (previously presented) The system as defined in claim 4 wherein the broom positioning, supporting, and rotating assembly comprises a pair of caster wheel assemblies symmetrically positioned about the non-load bearing connection to support the weight of the broom positioning, supporting, and rotating assembly.

16. (previously presented) The system as defined in claim 4 wherein the point of rotation of the swinging trunnion assembly is located on the centerline of a chassis of a truck to which the rotating broom system is mounted.

17. (new) The system as defined in claim 1 further comprising a substantially cylindrical rotating broom mounted to the rotating broom mounting and control assembly.

18. (new) The system as defined in claim 17 wherein the rotating broom has a diameter ranging from about three to four feet and a length of about 18 feet.

19. (new) The system as defined in claim 4 further comprising a substantially cylindrical rotating broom mounted to the broom positioning, supporting, and rotating assembly.

20. (new) The system as defined in claim 19 wherein the rotating broom has a diameter ranging from about three to four feet and a length of about 18 feet.

21. (new) The system as defined in claim 1 wherein the non-rigid connection comprises a float stop to control the up and down movement of a rotating broom mounted to the rotating broom mounting and control assembly.